Q1. What is the difference between RAM and ROM?

ANS. RAM is a form of computer memory that can be read and changed in any order, typically used to store working data and machine code.ROM is a type of non-volatile memory used in computers and other electronic devices

Q2. What is a memory unit? What is primary memory and secondary memory?

ANS Memory unit is the amount of data that can be stored in the storage unit. This storage capacity is expressed in terms of Bytes. Primary memory is the main memory of the computer which can be directly accessed by the central processing unit, whereas secondary memory refers to the external storage device which can be used to store data or information permanently.

Q3. Abbreviate the following:

a. CPU

\* **central processing unit:** the key component of a computer system, which contains the circuitry necessary to interpret and execute program instructions.

b. GPU

\* A Graphics Processing Unit (GPU) is a chip or electronic circuit capable of rendering graphics for display on an electronic device.

c. SSD

\* A solid-state drive (SSD) is a new generation of storage device used in computers. SSDs use flash-based memory, which is much faster than a traditional mechanical hard disk.

d. RAM

\* RAM is short for “random access memory” and while it might sound mysterious, RAM is one of the most fundamental elements of computing. RAM is the super-fast and temporary data storage space that a computer needs to access right now or in the next few moments.

e. ROM

\* ROM is an acronym for Read-Only Memory. It refers to computer memory chips containing permanent or semi-permanent data.

f. PROM

\*Programmable Read-Only Memory (PROM) is a type of digital memory with bit settings attached to fuses. It allows for a one-time or initial changing of read-only memory (ROM).

g. EPROM

\* **EPROM**, in full **erasable programmable read-only memory**, form of computer memory  that does not lose its content when the power supply is cut off and that can be erased and reused. EPROMs are generally employed for programs designed for repeated use but that can be upgraded with a later version of a program.

h. EEPROM

\* EEPROM (electrically erasable programmable read-only memory) is user-modifiable read-only memory (ROM) that allow users to erase and reprogram stored data repeatedly in an application. In contrast to EPROM chips, EEPROM memory does not need to be removed from the computer in order to modify the data

Q 4. What is a keyboard? What are function keys and what purpose do they serve?

ANS. A keyboard is one of the primary input devices that allows users to input text into a computer or any other electronic machinery. A **function key** is a key on a computer or terminal keyboard  which can be programmed so as to cause an operating system command interpreter or application program to perform certain actions, a form of soft key  On some keyboards/computers, function keys may have default actions, accessible on power-on.

Q 5. What is a printer? How do you connect it? What is the shortcut key to print?

ANS.A printer is a devices in we can take a hard copy of a hard copy . After you install a printer, you must also ensure that it’s connected to your computer. You can add or connect to a printer in Excel using the File and Print options. Once the device has been added, you can print either within the Print option or by using the keyboard shortcut, Ctrl + P.

Q6. What are the types of printers?

* ANS. [**Laser Printers**](https://www.printerland.co.uk/#laser)
* [**Solid Ink Printers**](https://www.printerland.co.uk/#solid)
* [**LED Printers**](https://www.printerland.co.uk/#led)
* [**Business Inkjet Printers**](https://www.printerland.co.uk/#business)
* [**Home Inkjet Printers**](https://www.printerland.co.uk/#inkjet)
* [**Multifunction Printers**](https://www.printerland.co.uk/#mfp)
* [**Dot Matrix Printers**](https://www.printerland.co.uk/#dotmatrix)
* [**3D Printers**](https://www.printerland.co.uk/#3d)

Q 7. What is a Light Pen? Describe its function?

ANS. A **light pen** is a [computer](https://en.wikipedia.org/wiki/Computer) [input device](https://en.wikipedia.org/wiki/Input_device) in the form of a light-sensitive wand used in conjunction with a computer's [cathode-ray tube](https://en.wikipedia.org/wiki/Cathode-ray_tube) (CRT) display.

It allows the user to point to displayed objects or draw on the screen in a similar way to a [touchscreen](https://en.wikipedia.org/wiki/Touchscreen" \o "Touchscreen) but with greater positional accuracy

8. Describe the process to scan a document and store it in your computer

ANS. Scanning in computers is the process of creating an electronic version of any photograph or documents. A device known as Scanner is used through which a document is scanned. If we need to scan documents, we need to have a scanner. However,